

Investigations of γ -Amino-N-Carboxylic Acid
Anhydride I, by F. Jessely, 19 pp.

GERMAN, per, Z Physiol Chem, Vol CXLVI, 1925,
pp 72-90.

NOT RELEASABLE TO FOREIGN NATIONALS

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53,340

Sci - Chem

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IAC INTERNAL USE ONLY

On a Substance Eliminated by the Kidney, Which Acts
as a Heart Stimulant, by E. K. Frey, H. Kraut, 19 pp.

GERMAN, per, *Z. fuer Physiol. Chemie*, Vol CLVII, No 1-3,
1926, pp 49-61.

MMH Tr 10-20

Sci - Medicine

54, 667

Oct 57

Investigations on α -Amino-N-Carboxylic Acid
Anhydrides II, by P. Sigmund, F. Wessely, 21 pp.

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IAC INTERNAL USE ONLY

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III. (Contributions to the Knowledge of Higher
Molecular Compounds), by F. Wessely, F. Sigmund,
26 pp.

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Investigation on α -Amino-N-Carboxylic Acid
Anhydride V. Secondary Reaction of Pyridine
Decomposition, by F. Wessely, M. John, 7 pp.

GERMAN, per, Z Physiol Chem, Vol CLII, 1927,
pp 38-43.

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Sci - Chem

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Synthesis of Arginine-Containing Dipeptides:
Isomeric Phenylalanyl-Arginine and Its Conversion
Into Phenylalanyl-Ornithine, by M. Bergmann, H.
Koster, 44 pp.

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S.L.A. Tr 57/383

Sci - Chemistry
Jun 57

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Aug 71

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Jul 66

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R. Klement

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Preparation and Coupling of Globin, by A. Harsik, 3 p.

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SLA 59-20823

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The Formation of Fat From Carbohydrates: Influence of Insulin, M. Burger, W. Ruckert, 17 p.

GERMAN, Mar, Zeit Physiol Chem, 1931, Vol CXCVI,
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Feb 60
Vol 2, No 12

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GERMAN, partial trans, per, Zeit Physiol Chem,
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SLA 59-20739

Sci
Feb 60
Vol 2, No 12

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43 pp.

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NIE

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F. Schultz, 28 pp.

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No 3/4, 1932, pp 99-114.

NIH Tr 10-8

Sci - Chemistry

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QMT 453

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1 (UCRL-Trans-1485) 5 ON THE SIZE OF ELEC-
TROLYTICALLY GENERATED GAS BUBBLES. 6 Kabanow, B.;
Frumkin, A. 10 Translated by John Newman (Univ. of California
Lawrence Berkeley Lab., Berkeley, from 18 Z. Phys. Chem.
(Leipzig), A; 165: 443-52, 166: 316-17(1933). 20 25p. 24 Dep. NTIS.

28 chemistry (physical); translations 27 07D

28 MN-4 28P NSA

Regarding the Synthesis of Dipeptides of Lysine
and Their Behavior in the Presence of Proteolytic
Enzymes, by M. Bergmann, L. Zervas, H. Rinks,
H. Schleish, 13 pp.

GERMAN, per, Z Physiol Chem, Vol CCIV, 1934,
pp 26-33.

S.L.A. Tr 57/382

Sci - Chemistry
Jun 57

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Regarding Dyseptides Having Predominantly
Acid Properties and Their Enzymatic Behavior,
by M. Bargmann, L. Zervas, L. Salyman, H.
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SIA Tr 57-381

Sci - Chemistry

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NASA TT F-9830

U. S. GOVERNMENT USE ONLY
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Apr 66

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Sci - Chem

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IAC INTERNAL USE ONLY

53,336

Conversion of Coprostanone to Coprosterin,
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Dec 63

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I. Zimmermann, W.

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THE COLOR REACTION OF SEX HORMONES AND
ITS APPLICATION FOR QUANTITATIVE COLORIME-
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Order from SLA \$1.10 63-20292

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A partial trans. is available from SLA ml\$1.80,
ph\$1.80 as 59-20737, 23 Mar 42, 7p.

DESCRIPTORS: *Hormones, Sex glands, *Colorimetry.

(Biological Sciences--Physiology. TT, v. 10, no. 12)

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Carotenoids of salmon muscle (the lipochromes of marine animals. VI.) (Über die Carotinoide des Lachsfileisches. (Lipochrome mariner Tiere. V.))
Zeitschrift fuer Physiologische Chemie (Journal of Physiological Chemistry), 225: 8-11. In German.

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Original Article Checked *NR*

Willstaedt, H. and T. Lindqvist 1936
Carotenoids of human serum and liver. I. (Über
die Carotinoide des Serums und der Leber beim Menschen. I.)
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State of Canada for FRBC Halifax Lab., Halifax, N.S.,
1970, as FRBC Transl. Series No. 1501, 14p., typescript.

Avail. on Loan - BCF, Wash., D.C.

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On the Carbohydrate Groups of the Submaxillary
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SLA 3222
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Sci - ~~Chemistry~~ *Biology* 51,426
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SLA 59-20757

Sci
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SLA Tr 57-404

Sci - Med
Jul57

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The Determination of Small Amounts of Pentose,
Particularly in Derivatives of Adenylic Acid, by
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SLP 5-2-1971

Scientific - Chemistry

7101

Nov 53 CTS

Concerning the Animal Fatty-Acid-Dehydrase and
its Coenzyme, by K. A. Lang, 14 pp.

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S.L.A. Tr No 57-96

Sci - Biochemistry
Apr 57

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Quantitative Separation of Amino Acids by Exchange
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9 pp.

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AEC-HP-Tr-1002

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Jul 63

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ASLIB-GB45

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Order from SLA \$1.10 TT-64-10788

TT-64-10788

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II. Schuster, K.

Trans. of Hoppe-Seyler's Zeitschrift für Physiologische
Chemie (Weiss Germany) 1948, v. 283, p. 27-30].

(Biological Sciences--Biochemistry, TT, v. 12, no. 1)

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Hillmann, Günther and Elles, Anneliese.
A SIMPLIFIED RESOLUTION OF RACEMIC D,
L-GLUTAMIC ACID. [1963] 8p. 12 refs.
Order from SLA \$1.10

63-14564

Trans. of [Hoope, Seyler's] Z[eitschrift für]
Physiologische Chemie [West Germany] 1948,
v. 283, p. 31-34.

DESCRIPTORS: *Stereochemistry, *Amino acids,
*Glutamic acid, Racemization, Separation, Hydrogen
compounds, Chlorides, Pyrrolidinone, Carboxylic
acids, Quindoe.

(Biological Sciences--Biochemistry, TT, v. 10, no. 6)

63-14564

I. Hillmann, G.
II. Elles, A.

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RUHH

Conclusive Determination of the Composition and
Synthesis of Spinacin, by D. Ackermann,
S. Skraup, 6 pp.

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HHH

Scientific - Chemistry CTS/DEX

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The Biogenesis of 3,4-Condensed Pyridine
Systems and Constitution of Spinacin, by
Siegfried Braup, Josef Alt, 7 pp.

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NIH

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Simplified Micromethod for the Quantitative
Analysis of Plasma in Serum, by F. Leupold, 7 pp.

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Vol CCXXXV, 1950, pp 216-219.

NIE 5-15-61

Sch. Mc-1
Jul 61

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Quantitative Determination of Acetal Phosphatides;
Observations on the Work of Feulgen, Boguth and
Anderson, by H. Waelach, 7 pp.

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No 2/3, Sept 1951, pp 123-124.

NIH Tr 88

Scientific - Chemistry

28,143

Oct 55
CTB/DEX

I. Experiments for Isolation of Kallikrein,
by H. Kraut, I. Schweitzer, 9 pp.

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NIH Tr 10-9

Sci - Chemistry

54, 657

Oct 57

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Communication. Monomolecular Films of Monomeric
Stearic Acids, by Günther Holzner, Jena. In: Zeitschrift
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STA 59-10589

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Vol 2, No 5

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NIE TR 79

Scientific - Chemistry

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Nov
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CIS/DEX

A Quantitative Method for the Analysis of Serum
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Trans. No. 70

Sci

May 60

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SIA Tr 3120

Sci

Jun. 58

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Quantitative Determination of Urea by Paper Chromatography, by H. J. Hubener.

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ASLIB-GB 39

Sci
Apr 59

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Investigations on Intermediate Sulfur
Metabolism. IV. The Conditions of the
Desulfurizability by E. Coli Existing in the
Substrate, by H. Hanson, E. Mantel, 27 pp.

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1953, pp 141-155

NIH

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The Metabolism of Cholic and Desoxycholic
Acid in the Rat, by S. Bergstrom, &
M. Rottenberg, J. Sjovall, 12 pp.

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Vol CCXCV, 1953, pp 278-285.

NIH

Scientific - Chemistry
CNS 70/Jul 55

25,562

On Oxidation Ferments From Higher Plants. II. On
Lipoxidase and Lipodehydrase and Their Mutual
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AEC-ANL-Tr-21

Sci-Phys
Sep 64

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The Determination of Carnitine, by E. Strack,
I. Lorenz, 16 pp.

GERMAN, per, Z. Physiol Chemie, Vol COLOVITI, 1954,
pp 27-33.

NIH Tr 11-11

Sci - Chemistry
Dec 56 CTS

41, 821

IDENTIFICATION AND DETERMINATION OF GLUCOSAMINE AND
Galactosamine by paper Chromatography, by G. F.
Fischer, H. J. Nebel, 21 pp.

GERMAN, part, E. Physiol. Chem, Hype-Seylers,
Vol CCCLII, 1955, pp 10-19.

S.L.A. Tr No 57-102

Sci - Biochemistry, analytical
Apr 57

46,879

Catalyzing Action of Cortisone and Other Adrenal
Cortical Steroids On the Auto-oxidation of Linoleic
Acid in Vitro, by W. Schuler, R. Meier, 25 pp.

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S.L.A. No 396/1956

Scientific - Chemistry; Medicine

34,275-

Zinc and Glucagon in the Pancreas of the Duck,
by D. Kraft, E. Buddocks, G. Weitzel, 19 pp.

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GERMAN, ¹⁹⁵⁶ 2, Physiol. Chem. Vol CCCV, ¹⁹⁵⁶ pp 132-142,
1956

NIH Tr No 12-26

Sci - Chemistry.
Feb 1957 CTS/dax

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1972.

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MEI 10-5

Scientific - Chemistry
Nov 56 CIB

46, 276

61-16532

I. Lohmann, D.

Lohmann, D.
THE PROPORTION OF RESIDUAL REDUCING SUB-
STANCES IN NORMAL AND INCREASED BLOOD
SUGAR (Der Anteil der Restreduktion am Normalen und
Erhöhten Blutzucker). [1961] 6p. 11 refs.
Order from SLA \$1.10 61-16532

Trans. of [Hoppe-Seyler's] Zeitschrift für Physiolo-
gische Chemie (West Germany) 1956, v. 305 (no. 4/6)
p. 192-195.

DESCRIPTORS: *Blood chemistry, *Blood sugar,
Carbohydrates, Metabolism, Glucose.

180467

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Biological Sciences--Biochemistry, TIF, v. 6, no. 5)

On the Reactions Occuring in the Grain Boundaries of
Alloys, by L. Graf.

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pp 306-309.

*NTIS TT 72-53151

Aug 72

Microdetermination of Hydroxyproline With Chloro-
nine-T and p-Dimethylamino-Benzaldehyde, by
Hermann Stegemann, 6 pp.

GERMANY, per, Z für Physiologische Chemie,
(Lippe-Seeliger's), ~~Vol. CCCX~~ Vol. CCCXI, No 1-3,
1958, pp 41-45.

SLA 60-10076

Sci
Jan 62

178,276

Method for an Improved Electrophoretic Separation
of Proteins and Peptides, by E. Granzer,
GERMAN, pt. 2 fur Physiol Chem, XXI, No 311,
1958, pp 46-53.

CSIRO

Sci - Chem
Oct 61

171, 374

Micro-Determination of Amide Nitrogen,
Particularly in Proteins, by H. Stegemann.

GERMAN, per, Z fuer Physiol Chem, (Hoppe
Seyler), Vol CCCXII, No 4/6, 1958, pp 255-263.

CSIRO Tr-4662

Sci - Chem

Jun 60

118,537

Dec 61

Studies on the Biosynthesis of Proteins, III. On
the Composition and Structure of Ribosomes,
W. Zillig, W. Kronen, M. Albers.

GERMAN, per, Z Für Physiologische Chemie, Vol
CCCKVII, 1959, pp 131-143.

NIE 8-4-61

175,038

Sci - Med

Dec 61

Bio Lab T-589-1

R-9030-D
21 Dec 67

Papierchromatographische Analyse von Plasmaproteinen

By: M. H. Hack und V. J Ferrans

From: Z. Physiol Chem 315:157-162, 1959

(6 pp)

German - est for wis:

Please translate and type 1 camera ready copy.
Please make cover as sample attached. T-589-1.
Document can be cut.

Studies on Protein Biosynthesis, I. On
Incorporation of C^{14} -Labeled Amino Acids Into
Protein of Cellfree Nucleoprotein Enzyme Systems
From *Escherichia Coli* B., by D. ~~SCHACHTSCHABEL~~
Schachtschabel, W. Zilling, 11 pp.

GERMAN, per, Z. Physiol Chem, VOL. CCCXIV,
1959, pp 262-275.

NIH 2-30-62

191,468

Sci - Med

Apr 62

Thomas, Karl, Stalder, Karlheinz, and Stegemann,
Hermann.

METABOLISM EXPERIMENTATION WITH EPSILON
AMINO CAPRONIC ACID. [1963] 6p 13.efs
Order from SLA \$1.10

TT-63-20977

Trans. of [Hoppe-Seyler's] Z[schrift für] Physiologi-
sche Chemie] (West Germany) 1959, v. 317, p. 276-
280. (Abstract available)

DESCRIPTION: *Metabolism, *Amino acids, Adipic
acids, Decomposition

After feeding epsilon amino capronic acid there was
found in the urine, apart from an portion of the fed
amino acid which was excreted in unchanged form,
gamma amino butyric acid (which is not normally found
in the urine), as well as approximately 1% of the
adipinic acid stoichiometrically possible. The disinte-
(Biological Sciences--Biochemistry, TT, v. 11, no. 5)
(over)

TT-63-20977

1. Title: E-Aminocaproic acid
- I. Thomas, K.
- II. Stalder, K.
- III. Stegemann, H.

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Studies of the Arterial Wall. V. The
Preparation and Chemical Composition of the
Mucopolysaccharides of the Human Aorta,
by Budddecke, Eckhart, 37 pp.
GERMANY, per, Zeit Physiol Chem, Vol 318,
No 1/2, 1960, pp 33-55.
SLA TT-64-20033

Sept 66

309,755

Mechanism of Glyconeogenesis After Oral Administration
of Cortisol Hydrocortisone, by H. J. Hubener.
GERMAN, per, Z fuer Physiologische Chemie, Vol CCCXXII
1960, pp 135-141.
NASA TT F-9073

Sci-Biol & Med
Nov 64
U.S. GOVERNMENT ONLY

268,9,320

The Quantitative Enzymatic Dehydrogenation of
L(+)- Lactate For Micro-Analysis, by G. Gercken.
GOVERNMENT USE ONLY

GERMAN, per, Zeitschrift für Physiologische
Chemie, Hoppe Seyler, Vol 320, 1960,
pp 180-186.
NASA TT F-11,812

Sci
Dec 68

368,818

Eberwein, H., Gries [F. A.] and Decker [Karl].
 DECOMPOSITION OF NICOTINE BY BACTERIA EN-
 ZYMES. II. ISOLATION AND CHARACTERIZATION
 OF A NICOTINE-DECOMPOSING SOIL BACTERIA.
 [1962] 17p.

Order from K-H 121.45
 K-H 1168

Trans. of Hoppe-Seyler's Zeitschrift für Physiol-
 [gische] Chemie [West Germany] 1961, v. 323,
 p. 236-244.

DESCRIPTORS: *Nicotine, Decomposition, *Bacteria,
 *Enzymes.

(Biological Sciences--Biochemistry, TT, v. 9, no. 1)

62-34419

63-16787

- I. Eberwein, H.
- II. Gries, F. A.
- III. Decker, K.
- IV. Teller Isolation ...
- V. K-H 1168
- VI. Kresge-Hooker Science
 Library Associates,
 Detroit, Mich.

Office of Technical Services

63-16984

Decker, Karl, Gries, F. Arnold and Brühmüller,
Margaret.
DECOMPOSITION OF NICOTINE BY BACTERIA
ENZYMES. III. METABOLISM STUDIES ON CELL-
FREE EXTRACTS. [1962, 26]p. 17 refs.
Order from SLA \$2.60 63-16984

Trans. of Hoppe-Seyler's Zellularchiv [sic]
Physiologische Chemie [sic] (West Germany) 1961,
v. 323, p. 249-263.
Another trans. is available from K-H \$31.25 as
K-H 11547-b [1962] 25p.

DESCRIPTORS: Decomposition, *Nicotine, *Bacteria,
Enzymes, Metabolism, Bacterial extracts.

A soluble enzyme extract from *Arthrobacter oxydans*
breaks down nicotine in 3 oxidative steps. The reaction
conditions and cofactor requirements for this system
(Biological Sciences--Biochemistry, TT, v. 10, no. 7)
(over)

- I. Title: *Arthrobacter*
- I. Decker, K.
- II. Gries, F. A.
- III. Brühmüller, M.
- IV. Title: Metabolism . . .

Office of Technical Services

63-16657

Gries, Arnold, Decker, Karl, and
Brühmüller, Margaret.
DECOMPOSITION OF NICOTINE BY BACTERIA
ENZYMES. V. DECOMPOSITION OF 1-6HYDROXY-
NICOTINE TO [(γ-METHYLAMINOPROPYL)-(6-HYDRO-
XYPYRIDYL-(3) Ketone. [1963] 19p. 16 refs.
Order from SLA \$1.60 63-16657

Trans. of Hoppe-Seyler's Zeitschrift für Physiol-
[ogische] Chemie (West Germany) 1961, v. 323,
p. 229-241.

DESCRIPTORS: Decomposition, *Nicotine, Bacteria,
*Enzymes, Hydroxides, Methyl radical, Amines, Pyri-
dine derivatives, Ketones, Spectroscopy.

See also 63-16984

(Biological Sciences--Biochemistry, TT, v. 10, no. 9)

1. Title: Arthrobacter
 2. Title: [(γ-Methylamino-
propyl)-(6-hydroxypyridyl-
(3)] ketone
 3. Title: 1-6 Hydroxynicotine
- I. Gries, A.
 - II. Decker, K.
 - III. Brühmüller, M.

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Regularities in Strontium Metabolism in the
Skeleton and Mechanism of Strontium Incorporation
Into the Bone System, by Albrecht Schmid, 20 pp.

GEISMAN, per, Z. Physiologische Chemie, Vol CCCXXVI,
No. 5/6, 1961, pp 177, 9069385

AEC-tr-5418

217,487

Sci - Med
Dec 62

On the Linkage of Carbohydrate to Protein in
Barley Albumin, by K. Hochstrasse.
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